



2001 Toxics Release Inventory

SOUTH CAROLINA

Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	63,072,746
Air Emissions	54,977,393
Surface Water Discharges	2,778,925
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	16,281
Other On-site Land Releases	5,300,147
Off-site Releases (Transfers Off-site to Disposal)*	18,188,165
Total On- and Off-site Releases	81,260,912
Recycled On-site	393,865,233
Recycled Off-site	79,100,303
Energy Recovery On-site	109,669,239
Energy Recovery Off-site	31,907,639
Treated On-site	156,322,777
Treated Off-site**	10,506,996
Quantity Released On- and Off-site***	92,460,423
Total Production-related Waste Managed	873,832,609
Non-production-related Waste Managed	561,487

Transfers Off-site for Further Waste Management, including Disposal

Recycling	77,339,641
Energy Recovery	31,987,806
Treatment	4,809,405
Publicly Owned Treatment Works (POTWs)	5,136,608
Metals and Metal Category Compounds*	56,904
Non-metal TRI Chemicals**	5,079,704
Other Off-site Transfers****	45,740
Transfers Off-site to Disposal (not including metals to POTWs)	21,230,981
Total Transfers Off-site for Further Waste Management, including Disposal	140,550,181

* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact

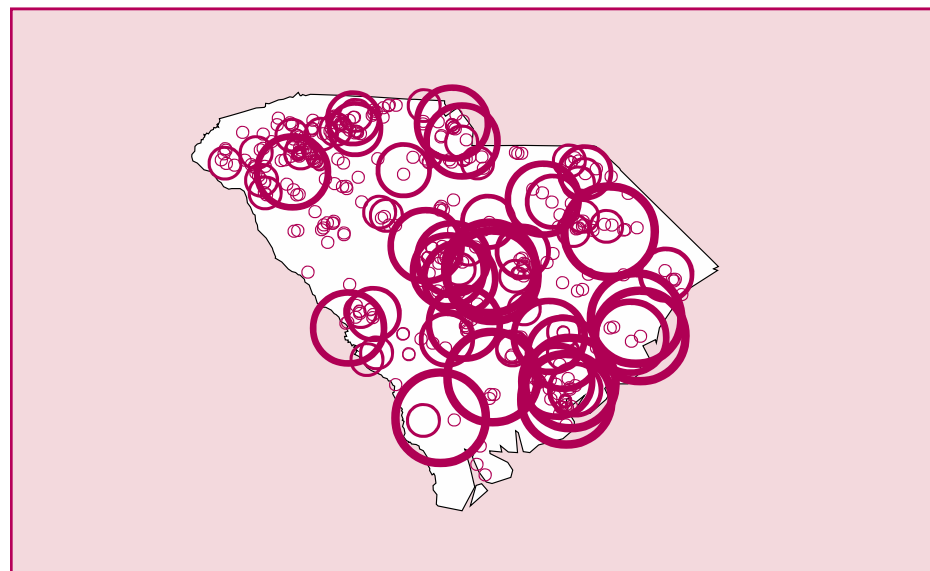
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To obtain TRI data use

assistance, call TRI User
Support Service (TRI-US):
(202) 566-0250
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of South Carolina. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	4,062,125
Square Miles	30,111
Total Facilities	561
Total Forms	2,280
Form As	293

	Total
National Rank for Total On- and Off-site Releases*	
Rank	20
Pounds	81,260,912
National Rank for Total On-site Releases**	
Rank	24
Pounds	63,072,746
National Rank for Total Releases within State***	
Rank	24
Pounds	67,954,074
National Rank for Production-related Waste Managed	
Rank	10
Pounds	873,832,609

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	17,790,654	0	0	0	0	17,790,654	0	0	0
—	Zinc compounds	91,961	42,668	0	798,294	15,489,738	16,422,661	90,968	732,482	14,757,256
67-56-1	Methanol	11,140,992	43,962	0	180,260	13,741	11,378,955	12,834	2,129	11,612
—	Manganese compounds	22,250	304,392	0	1,306,799	2,081,179	3,714,620	1,139,726	370,800	1,710,379
108-88-3	Toluene	3,265,046	731	0	5,907	13,071	3,284,755	93	272	12,799

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	15,395.76	782.70	0.00	280,156.32	885,241.45	1,181,576.23	122,429.12	62,638.09	822,603.36
—	Polycyclic aromatic compounds	95,327.05	64.00	0.00	234.90	60,476.27	156,102.22	2,201.63	60,466.27	10.00
7439-92-1	Lead	6,261.44	952.12	0.00	32,535.00	54,097.13	93,845.69	45,592.10	27,903.86	26,193.27
79-94-7	Tetrabromobisphenol A	0.00	0.00	0.00	6,040.00	7,912.00	13,952.00	109.00	7,912.00	0.00
—	Mercury compounds	2,129.00	78.91	0.00	1,340.62	1,573.16	5,121.68	68.00	79.50	1,493.66
191-24-2	Benzo(g,h,i)perylene	1,042.07	6.96	0.00	17.04	12.49	1,078.56	0.00	12.49	0.00
7439-97-6	Mercury	133.54	20.26	0.00	71.25	29.85	254.90	27.00	0.85	29.00
1336-36-3	Polychlorinated biphenyls (PCBs)	21.01	0.00	0.00	0.00	0.00	21.01	39.80	0.00	0.00
—	Dioxin and dioxin-like compounds	0.20	0.01	0.00	0.03	0.01	0.26	87.29	0.01	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>92.150</i>	<i>4.787</i>	<i>0.000</i>	<i>14.431</i>	<i>4.769</i>	<i>116.137</i>	<i>39,586.070</i>	<i>4.533</i>	<i>0.236</i>
118-74-1	Hexachlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	375.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

*** No reports were submitted for these chemicals.

** The chemical ranking is based on the amounts in this column.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
International Paper, Hampton, Hampton	3,708,601	8	0	0	0	0	3,708,609	0	0
Wateree Station - S.C.E.& G., Eastover, Richland	3,614,934	17	0	0	0	46	3,614,997	0	125
Williams Station - Genco, Goose Creek, Berkeley	3,277,652	892	0	0	0	0	3,278,544	135,980	32
Winyah Generating Station, Georgetown, Georgetown	2,068,312	5	0	0	0	669,338	2,737,655	0	0
International Paper Georgetown Mill, Georgetown, Georgetown	2,005,129	88,749	0	0	0	546,900	2,640,778	287,750	0
Stone Container Corp., Florence, Florence	2,337,608	36,331	0	0	0	252,883	2,626,821	0	0
Scana Canadys Station, Canadys, Colleton	2,017,320	9,552	0	0	0	327,087	2,353,958	0	0
Westvaco Corp. Packaging Resources Group, North Charleston, Charleston	2,159,664	120,121	0	0	0	0	2,279,785	72,874	72
International Paper, Eastover, Richland	1,566,402	190,168	0	0	0	479,439	2,236,009	0	0
Intertape Polymer Group Columbia Div., Columbia, Richland	1,930,024	0	0	0	0	0	1,930,024	1,130	0

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
U.S. Army USATC & Fort Jackson (Ranges), Fort Jackson, Richland	294.00	0.00	0.00	0.00	0.00	108,098.00	108,392.00	0.00	0.00
U.S. Marine Corps Recruit Depot Parris Island/Training Range, Parris Island, Beaufort	87.00	0.00	0.00	0.00	0.00	44,243.00	44,330.00	0.00	0.00
Gold Kist Sumter Processing Plant, Sumter, Sumter	33,382.00	0.00	0.00	0.00	0.00	0.00	33,382.00	0.00	0.00
Winyah Generating Station, Georgetown, Georgetown	399.00	0.00	0.00	0.00	0.00	24,427.50	24,826.50	0.00	0.00
Cross Generating Station, Pineville, Berkeley	438.00	0.00	0.00	0.00	0.00	22,723.00	23,161.00	0.00	0.00
Santee Print Works Inc., Sumter, Sumter	15,566.00	0.00	0.00	0.00	0.00	0.00	15,566.00	0.00	0.00
U.S. DOE Savannah River Ops., Aiken, Aiken	3,520.71	46.12	0.00	0.00	0.00	11,390.88	14,957.71	0.00	1,190.67
South Carolina Electric & Gas Co. Cope Station, Cope, Orangeburg	54.40	1.40	0.00	0.00	0.00	14,102.90	14,158.70	0.00	0.00
Scana Canadys Station, Canadys, Colleton	479.50	112.60	0.00	0.00	0.00	13,378.30	13,970.40	0.00	0.00
Holcim (US) Inc. Holly Hill, Holly Hill, Orangeburg	280.16	0.00	0.00	0.00	0.00	13,220.00	13,500.16	0.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Nucor Steel, Huger, Berkeley	0	219,574	0	0	0	0	16,412,261	16,631,835	0
International Paper, Hampton, Hampton	2,137	0	0	23,648	0	52,244	3,706,732	3,784,760	0
Wateree Station - S.C.E.& G., Eastover, Richland	0	0	0	0	621,335	0	3,615,122	4,236,457	0
Williams Station - Genco, Goose Creek, Berkeley	0	0	0	0	565,013	0	3,414,555	3,979,568	0
Enersys Inc., Sumter, Sumter	0	3,230,071	0	0	0	0	3,239,167	6,469,238	0
International Paper Georgetown Mill, Georgetown, Georgetown	0	0	0	0	12,476,463	0	2,908,293	15,384,756	0
Winyah Generating Station, Georgetown, Georgetown	0	9,828	0	0	3,649,541	0	2,737,657	6,397,026	0
Stone Container Corp., Florence, Florence	0	0	0	0	4,273,624	0	2,626,641	6,900,265	0
Pirelli Power Cables & Sys. USA L.L.C., Abbeville, Abbeville	324,000	2,293,017	0	977	0	8,686	2,357,079	4,983,759	0
Scana Canadys Station, Canadys, Colleton	0	0	0	0	580,644	0	2,353,958	2,934,602	0

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Enersys Inc., Sumter, Sumter	0.00	3,230,071.00	0.00	0.00	0.00	0.00	3,239,167.00	6,469,238.00	0.00
Nucor Steel, Huger, Berkeley	0.00	1,165.00	0.00	0.00	0.00	0.00	705,820.00	706,985.00	0.00
Owen Electric Steel Co. of South Carolina, Cayce, Lexington	0.00	250,015.00	0.00	0.00	0.00	0.00	240,015.00	490,030.00	0.00
U.S. Army USATC & Fort Jackson (Ranges), Fort Jackson, Richland	0.00	0.00	0.00	0.00	0.00	0.00	108,392.00	108,392.00	0.00
Nucor Steel, Darlington, Darlington	0.00	336,583.00	0.00	0.00	0.00	0.00	49,777.00	386,360.00	26,242.00
U.S. Marine Corps Recruit Depot Parris Island/Training Range, Parris Island, Beaufort	0.00	0.00	0.00	0.00	0.00	0.00	44,330.00	44,330.00	0.00
Hitachi Electronic Devices (USA) Inc., Greenville, Greenville	0.00	7,700.00	0.00	0.00	0.00	0.00	34,000.00	41,700.00	0.00
Pirelli Power Cables & Sys. USA L.L.C., Abbeville, Abbeville	0.00	11,902.00	0.00	0.00	0.00	0.00	33,909.00	45,811.00	0.00
Gold Kist Sumter Processing Plant, Sumter, Sumter	0.00	0.00	0.00	0.00	0.00	0.00	33,382.00	33,382.00	0.00
Winyah Generating Station, Georgetown, Georgetown	0.00	0.00	0.00	0.00	0.00	0.00	24,827.00	24,827.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.